

Garant
Diabolo solid carbide ball nose slot drill HPC, TiAlN, Ø f8 DC / DS: 20 mm

Order data

Order number	207476 20
GTIN	4045197600790
Item class	11X

Description
Version:
GARANT Diabolo:

Special geometry, newly developed coating and carbide for hard machining. 4 centre cutting edges to the centre. Therefore can be used as a true **4-edge drill** at all depths of cut.

Tolerance: Radius contour = ± 0.005 mm.

No. of teeth Z: 4

Helix angle: 30 degrees

No. of teeth Z: 4

Flute length L_c : 26 mm

Overall length L: 150 mm

Shank $\varnothing D_s$: 20 mm

Feed f_z for side milling in steel < 65 HRC: 0.1 mm

Feed f_z for copy milling in steel < 65 HRC: 0.1 mm

Technical description

Feed f_z for side milling in steel < 65 HRC	0.1 mm
No. of teeth Z	4
Feed f_z for copy milling in steel < 65 HRC	0.1 mm
Cutting edge $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	20 mm
Overall length L	150 mm
Flute length L_c	26 mm
Helix angle	30 degrees

Radius R	10 mm
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Tolerance nominal \varnothing	f8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.05×D for copy milling
Cutting width a_e for milling operation	0.2×D for side milling
Shank	DIN 6535 HA to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	red
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 20 mm	SZ2025 20
Shank grinding Type HB	129100 HB